BRUHATH BANGALORE MAHANAGARA PALIKE

E-MB BOOK

1st and Final Bill

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YELAHANKA DIVISION

Name of Work	Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division
Estimated Cost	50.00 Lakhs
P Code	P-3740
Job Code Number	004-20-000036
Administration Sanction Number	BBMP/CE/YZ/AS/01/2021-22, Date:19-06-2021
Technical Sanction Number	BBMP/CE/YZ/TS/11/20[illegible]-22, Date:19-06-2021
Agreement Number	BBMP/EE/YNK.D/EPM[illegible]5/AG/35/2021-22, Date:13-10-2021
Work Order Number	BBMP/EE/YNK.D/EPM[illegible]5/WO/63/2021-22, Date:13-10-2021
Name of The Contractor	Sri. Umesh N

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 10/12/2024

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	For Column Footing	6	1.50	1.50	1.50	20.25	
	Long Wall	2	6.30	1.00	1.20	15.12	
	Short Wall	2	2.50	1.00	1.20	6.00	
	For Flooring	1	5.10	3.30	0.25	4.21	
	For Steps infront of Building	1	2.55	0.95	0.90	2.18	
		1	1.40	1.10	0.90	1.39	
	Deductions						
	For Column Footing	-6	1.50	1.00	1.20	-10.80	
	R O Plant Building at N.E.S Bus Stop						
	For Column Footing	6	1.50	1.50	1.50	20.25	
	Long Wall	2	6.35	1.00	1.20	15.24	
	Short Wall	2	2.55	1.00	1.20	6.12	
	For Flooring	1	5.10	3.30	0.25	4.21	
	For Steps infront of Building	1	2.70	1.80	1.00	4.86	
	Water Collection Point	1	1.70	1.10	1.00	1.87	
	At Building Back Side	1	8.00	3.00	0.20	4.80	
	Deductions						
	For Column Footing	-6	1.50	1.00	1.20	-10.80	
					Present Qty	84.90	**Cum**

Signature of the Contractor

Assistant Engineer
Ward No.04
10/12/2024

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
Pre Measurements							
	Pre Measurement Recorded on: 16/12/2021						
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	For Column Footing	6	1.50	1.50	0.15	2.03	
	Long Wall	2	6.20	0.90	0.15	1.67	
	Short Wall	2	2.60	0.90	0.15	0.70	
	For Flooring	1	5.10	3.30	0.175	2.95	
	For Steps infront of Building	1	2.55	0.95	0.15	0.36	
		1	1.40	1.10	0.15	0.23	
	Deductions						
	For Column Footing	-6	0.30	0.15	0.15	-0.04	
	R O Plant Building at N.E.S Bus Stop						
	For Column Footing	6	1.50	1.50	0.175	2.36	
	Long Wall	2	6.25	0.90	0.15	1.69	
	Short Wall	2	2.65	0.90	0.15	0.72	
	For Flooring	1	5.10	3.30	0.15	2.52	
	For Steps infront of Building	1	2.70	1.80	0.15	0.73	
	Water Collection Point	1	1.70	1.10	0.15	0.28	
	Deductions						
	For Column Footing	-6	0.30	0.15	0.15	-0.04	
					Present Qty	**16.16**	**Cum**

C&E Checked 16/12/2021

Signature of the Contractor

16/12/2021
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/12/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications .Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	Below GL						
	1st Step						
	Long Wall	2	6.20	0.90	0.60	6.70	
	Short Wall	2	2.60	0.90	0.60	2.81	
	2nd Step						
	Long Wall	2	6.05	0.75	0.40	3.63	
	Short Wall	2	2.75	0.75	0.40	1.65	
	For Steps infront of Building						
		1	2.55	0.95	0.90	2.18	
		1	1.40	1.10	0.90	1.39	
	Above GL						
	3rd Step						
	Long Wall	2	5.75	0.45	0.40	2.07	
	Short Wall	2	3.05	0.45	0.40	1.10	
	Deductions						
	For Column Footing	-6	0.30	0.15	1.40	-0.38	
	R O Plant Building at N.E.S Bus Stop						
	Below GL						
	1st Step						
	Long Wall	2	6.25	0.90	0.60	6.75	
	Short Wall	2	2.65	0.90	0.60	2.86	
	For Steps infront of Building	1	2.70	1.80	0.90	4.37	
	Water Collection Point	1	1.70	1.10	0.90	1.68	
	At Building Back Side	1	5.50	0.45	0.60	1.49	
	2nd Step						
	Long Wall	2	6.10	0.75	0.40	3.64	
	Short Wall	2	2.80	0.75	0.40	1.68	
	Above GL						
	3rd Step						
	Long Wall	2	5.80	0.45	0.40	2.09	

18/12/2021

Name of Work:- Construction of BQ Pl...

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Short Wall	2	3.10	0.45	0.40	1.12	
	For Steps infront of Building	1	2.70	1.70	0.20	0.92	C & R
		1	2.70	0.80	0.20	0.43	
	Deductions						
	For Column Footing	-6	0.30	0.15	1.40	-0.38	
					Present Qty		

Signature of the Contractor

18/12/2021
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work: Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/12/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm neeely lining, including cost of materials, labour, curing complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	Above GL						
	3rd Step						
	Long Wall	2	5.75		0.40	4.60	
	Short Wall	2	3.05		0.40	2.44	
	R O Plant Building at N.E.S Bus Stop						
	Above GL						
	3rd Step						
	Long Wall	2	5.80		0.40	4.64	
	Short Wall	2	3.10		0.40	2.48	
	For Steps infront of Building	1	2.70		0.20	0.54	
		1	2.70		0.20	0.54	
					Present Qty	15.24	

18/12/2021

Signature of the Contractor

18/12/2021

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work: Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 1/02/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	Coping For Parapet Wall						
		2	5.45	0.15	0.075	0.12	
		2	3.95	0.15	0.075	0.09	
	For Steps infront of Building						
		1	2.55	0.95	0.075	0.18	
	Bed Concrete for FilterWater Collecting Area	1	1.40	1.10	0.10	0.15	
	R O Plant Building at N.E.S Bus Stop						
	Coping For Parapet Wall						
		2	5.50	0.15	0.075	0.12	
		2	4.00	0.15	0.075	0.09	
	For Steps infront of Building						
		1	2.70	0.85	0.075	0.17	
		1	2.70	0.90	0.075	0.18	
	Bed Concrete for FilterWater Collecting Area	1	0.70	0.80	0.10	0.06	
		1	0.70	1.20	0.10	0.08	
					Present Qty	**1.26**	**Cum**

Signature of the Contractor

Assistant Engineer
Ward No.04
1/02/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
	Pre Measurements						
	Pre Measurement Recorded on: 17/12/2021						
Item No	Discription of Item	No's	No	Cutting Length of Bar	Weight /m in Kgs	Qty in Kg	Unit
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park						
	Columns Footing-6 No's (1.50x1.50)						
	Main bar 16mm dia bar @ 150mm c/c Spacing						
	1.58kg/mtr	6	11	1.40	1.58	145.99	
	Distribuition bar 12mm dia bar						
	0.89kg/mtr	6	11	1.40	0.89	82.24	
	For Columns 6 No's (0.30x0.15)						
	Below GL						
	Main bar 16mm dia bar @ 150mm c/c Spacing						
	1.58kg/mtr	6	2	1.30	1.58	24.65	
	Main bar 12mm dia bar						
	0.89kg/mtr	6	4	1.30	0.89	27.77	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	6	9	0.90	0.40	19.20	
	Above GL (From Plinth Beam)						
	Main bar 16mm dia bar @ 150mm c/c Spacing						
	1.58kg/mtr	6	2	3.80	1.58	72.05	
	Main bar 12mm dia bar						
	0.89kg/mtr	6	4	3.80	0.89	81.17	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	6	26	0.90	0.40	55.46	
	For Plinth Beam (0.40x0.30)						
	Length=5.45 mtr						
	Main bar 12mm dia bar @ 150mm c/c Spacing						
	0.89kg/mtr	2	4	5.45	0.89	38.80	
	Main bar 10mm dia bar						
	0.617kg/mtr	2	4	5.45	0.62	26.91	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	2	37	1.40	0.40	40.92	
	Length=3.65 mtr						
	Main bar 12mm dia bar @ 150mm c/c Spacing						
	0.89kg/mtr	2	4	3.65	0.89	25.99	
	Main bar 10mm dia bar						

AGL 17/12/2021

17/12/2021

At Work:- Construction of RO Pl...

Item No	Discription of Item	No's	No	Cutting Length of Bar	Weight /m in Kgs	Qty in Kg	Unit
	0.89kg/mtr	2	2	3.70	0.89	13.17	
	Main bar 10mm dia bar						
	0.617kg/mtr	2	2	3.70	0.62	9.13	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	2	25	0.60	0.40	11.85	
	For Roof Beam (0.15x0.30)						
	Length=5.50 mtr						
	Main bar 16mm dia bar @ 150mm c/c Spacing						
	1.58kg/mtr	2	4	5.50	1.58	69.52	
	Main bar 12mm dia bar						
	0.89kg/mtr	2	2	5.50	0.89	19.58	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	2	37	0.60	0.40	17.54	
	Length=4.30 mtr						
	Main bar 16mm dia bar @ 150mm c/c Spacing						
	1.58kg/mtr	2	4	4.30	1.58	54.35	
	Main bar 12mm dia bar						
	0.89kg/mtr	2	2	4.30	0.89	15.3...	
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.395kg/mtr	2	29	0.60	0.40	13.75	
	For Roof Slab (5.70X 4.30 Sqm)						
	Main bar 12mm dia bar @ 150mm c/c Spacing						
	0.89kg/mtr	1	38	4.30	0.89	145.43	
	Distribuition bar 10mm dia bar @ 150mm c/c Spacing						
	0.617kg/mtr	1	29	5.70	0.62	102.04	
					Present Qty	**2381.84**	**Kg**
					Present Qty	**2.35**	**Tonne**

Signature of the Contractor

Assistant Engineer 20/01/22
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work: Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/12/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	Below GL						
	For Column Footing	6	6.40		0.30	11.52	
	For Column's	6	0.90		1.00	5.40	
	Above GL						
	For Column's						
	Above Plinth Beam	6	0.90		2.80	15.12	
	Above Roof Slab	6	0.90		0.60	3.24	
	R O Plant Building at N.E.S Bus Stop						
	Below GL						
	For Column Footing	6	6.40		0.30	11.52	
	For Column's	6	0.90		1.00	5.40	
	Above GL						
	For Column's						
	Above Plinth Beam	6	0.90		3.00	16.20	
	Above Roof Slab	6	0.90		0.60	3.24	
					Present Qty	**71.64**	**Sqm**
					Qty Limited to	**66.24**	**Sqm**

Signature of the Contractor

AGL 20/12/2021
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 5/01/2022

Item No	Discription of Item	No	Length	Breadth	Avg Depth	Qty	Unit
10	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification.Complete as per the Direction of Engineer Incharge of the Work						
	R O Plant Building at Cauvery Park, 13th B Main Road						
	For Plinth Beam						
	Long Wall	4	5.70		0.30	6.84	
	Short Wall	4	3.10		0.30	3.72	
	For Lintel Beam						
	Long Wall	4	5.45		0.15	3.27	
	Short Wall	4	3.35		0.15	2.01	
	Deduction Main Door Area	-2	2.60		0.15	-0.78	
	For Roof Beam						
	Long Wall	4	5.45		0.30	6.54	
	Short Wall	4	3.95		0.30	4.74	
	For Roof Slab						
	Alround Sides	1	19.40		0.15	2.91	
	Deductions						
	Columns at Lintel Beam	-12	0.30		0.15	-0.54	
	Columns at Roof Beam Beam	-12	0.30		0.30	-1.08	
	R O Plant Building at N.E.S Bus Stop						
	For Plinth Beam						
	Long Wall	4	5.75		0.30	6.90	
	Short Wall	4	3.15		0.30	3.78	
	For Lintel Beam						
	Long Wall	4	5.50		0.15	3.30	
	Short Wall	4	3.40		0.15	2.04	
	Deduction Main Door Area	-2	2.50		0.15	-0.75	
	For Roof Beam						
	Long Wall	4	5.50		0.30	6.60	
	Short Wall	4	4.00		0.30	4.80	
	For Roof Slab						

5/01/2022

Item No	Discription of Item	No	Length	Breadth	Avg Depth	Qty	Unit
	Alround Sides	1	19.60		0.15	2.94	
	Deductions						
	Columns at Lintel Beam	-12	0.30		0.15	-0.54	
	Columns at Roof Beam Beam	-12	0.30		0.30	-1.08	
					Present Qty	55.62	Sqm
					Qty Limited to	52.80	Sqm

Signature of the Contractor

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 12/01/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications.(400x150x200mm),Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
	Long Wall	2	5.45		2.80	30.52	
	Short Wall	2	3.35		2.80	18.76	
	Alround Parapet Wall	1	17.60		0.60	10.56	
	At Water Collection Area						
		2	1.10		0.20	0.44	
		1	0.90		0.20	0.18	
	Deductions						
	Main Door Area	-1	2.50		2.50	-6.25	
	Lintel Beam	-1	15.00		0.15	-2.25	
	Roof Beam	-1	17.60		0.15	-2.64	
	Parapet Open Area	-1	0.90		0.60	-0.54	
	R O Plant Building at N.E.S Bus Stop						
	Long Wall	2	5.50		2.80	30.80	
	Short Wall	2	3.40		2.80	19.04	
	Alround Parapet Wall	1	17.80		0.60	10.68	
	At Water Collection Point						
		2	1.65		0.20	0.66	
		1	1.30		0.20	0.26	
	Deductions						
	Main Door Area	1	2.50		2.50	-6.25	
	Lintel Beam	1	15.50		0.15	-2.33	
	Roof Beam	1	18.00		0.15	-2.70	
	Parapet Open Area	1	0.90		0.60	-0.54	
					Present Qty	**98.41**	**Sqm**
					Qty Limited to	**94.62**	**Sqm**

Signature of the Contractor

12/01/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 10/02/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
	OutSide Plastering						
	Long Wall	2	5.45		3.00	32.70	
	Short Wall	2	3.65		3.00	21.90	
	Alround Parapet Wall						
	OutSide	1	18.20		0.65	11.83	
	Inside	1	17.00		0.65	11.05	
	Top	1	17.60	0.15		2.64	
	Deductions						
	Main Door Area	-1	2.50		2.50	-6.25	
	Parapet Open Area	-2	0.90		0.50	-0.90	
	R O Plant Building at N.E.S Bus Stop						
	OutSide Plastering						
	Long Wall	2	5.50		3.00	33.00	
	Short Wall	2	3.70		3.00	22.20	
	Alround Parapet Wall						
	OutSide	1	18.40		0.65	11.96	
	Inside	1	17.20		0.65	11.18	
	Top	1	17.80	0.15		2.67	
	Deductions						
	Main Door Area	-1	2.50		2.50	-6.25	
	Parapet Open Area	-2	0.90		0.50	-0.90	
					Present Qty	**146.83**	**Sqm**

Signature of the Contractor

Assistant Engineer
Ward No.04

10/02/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 11/02/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications ,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
	Inside Plastering						
	Long Wall	2	5.10		2.80	28.56	
	Short Wall	2	3.30		2.80	18.48	
	At Main Door Entrance						
	Side	2	0.20		2.80	1.12	
	Top	1	2.50	0.15		0.38	
	At Water Collection Area						
	Sides	4	1.10		0.20	0.88	
		2	0.90		0.20	0.36	
	Top	1	3.10		0.15	0.47	
	Deductions						
	Main Door Area	-1	2.50		2.50	-6.25	
	R O Plant Building at N.E.S Bus Stop						
	Inside Plastering						
	Long Wall	2	5.10		2.80	28.56	
	Short Wall	2	3.30		2.80	18.48	
	At Main Door Entrance						
	Side	2	0.20		2.80	1.12	
	Top	1	2.50	0.15		0.38	
	At Water Collection Point						
		4	1.65		0.20	1.32	
		2	1.30		0.20	0.52	
		1	4.60	0.15		0.69	
	Deductions						
	Main Door Area	-1	2.50		2.50	-6.25	
					Present Qty	88.81	Sqm

Signature of the Contractor

Assistant Engineer 11/02/2022
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 19/02/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification .Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
	Ceiling Plastering						
		1	5.10	3.30		16.83	
	Potiqua	1	5.45	0.60		3.27	
	For Out Side Beam	2	0.60	0.75		0.90	
	R O Plant Building at N.E.S Bus Stop						
	Ceiling Plastering						
		1	5.10	3.30		16.83	
	Potiqua	1	5.50	0.60		3.30	
	For Out Side Beam	2	0.60	0.75		0.90	
					Present Qty	42.03	Sqm

Signature of the Contractor

Assistant Engineer
Ward No.04

19/02/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications ,Complete as per the Direction of Engineer Incharge of the Work						
	For Water Proofing						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	5.45	4.25		22.54	
	R O Plant Building at N.E.S Bus Stop						
		1	5.50	4.30		23.65	
					Present Qty	46.19	Sqm

Signature of the Contractor

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Item No	Detailed Measurement Recorded on: Discription of Item	No	Length	Breadth	Depth	Qty	Unit
19	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications,Complete as per the Direction of Engineer Incharge of the Work						
	Qty Same As Per Vide Item No.13					146.83	
					Present Qty	146.83	Sqm

Signature of the Contractor

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 25/02/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
20	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
	Flooring	1	5.00	3.30		16.50	
		1	2.50	0.20		0.50	
	Skerting Alround	1	14.10		0.10	1.41	
	For Out Side Steps						
	Flooring	1	2.55	0.95		2.42	
	Skerting	1	2.70		0.10	0.27	
	At Water Collection Area						
	Flooring	1	1.00	0.90		0.90	
	Top	2	1.10	0.20		0.44	
		1	0.90	0.20		0.18	
	Sides	4	1.10		0.20	0.88	
		2	0.90		0.20	0.36	
	Wall Cladding	1	1.40		1.20	1.68	
	R O Plant Building at N.E.S Bus Stop						
	Flooring	1	5.10	3.30		16.83	
		1	2.50	0.20		0.50	
	Skerting Alround	1	16.80		0.10	1.68	
	M.D	-1	2.50		0.10	-0.25	
	For Out Side Steps						
	1st Step	1	2.70	0.85		2.30	
		1	1.15		0.25	0.29	
	2nd Step	1	2.70	0.90		2.43	
		1	2.70		0.20	0.54	
	Skerting	1	2.70		0.15	0.41	
	At Water Collection Point						
	Flooring	1	0.70	0.80		0.56	
		1	0.70	1.20		0.84	
	Top	1	1.65	0.20		0.33	
		1	1.30	0.20		0.26	
	Sides (at Steps)-Out Side	1	0.70		0.35	0.25	
		1	0.90		0.10	0.09	

25/02/2022

Name of Work: Construction of

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Inside	1	1.45		0.15	0.22	
	Out side	1	1.30		0.15	0.20	
	Inside	1	1.10		0.15	0.17	
	Wall Cladding	1	1.20		1.20	1.44	
		1	2.00	1.20		2.40	
					Present Qty	57.01	

Signature of the Contractor

Assistant Engineer
Ward No.04

25/02/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO P...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 8/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
21	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips; suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	2.60		2.60	6.76	
	R O Plant Building at N.E.S Bus Stop						
		1	2.60		2.60	6.76	
					Present Qty	13.52	Sqm
					Qty Limited to	12.50	Sqm

Signature of the Contractor

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8/06/2022
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 8/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
22	KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road					2.60	
		1	2.60				
	R O Plant Building at N.E.S Bus Stop					2.60	
		1	2.60				
					Present Qty	5.00	Mtr

Signature of the Contractor

Assistant Engineer
Ward No.04
8/06/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

8/06/2022

Name of Work:- Construction of RO ...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 8/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
23	KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section anodized to 12 - 15 microns.Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	2.50		2.50	6.25	
	R O Plant Building at N.E.S Bus Stop						
		1	2.50		2.50	6.25	
					Present Qty	**12.50**	**Sqm**

Signature of the Contractor

8/06/2022
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 8/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
24	Water purification plants: Supplying, Installation andCommissioning of automatic Water purification plant (RO+UF)with all accessories piping, product water tank on single phase power supply on Turnkey/EPC Basis as per the enclosed detailed Specifications including cost of material, loading and unloading and as directed by the Engineer in charge.1000 LPH SS,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road					1.00	
		1					
	R O Plant Building at N.E.S Bus Stop					1.00	
		1					
					Present Qty	2.00	No's

Signature of the Contractor

8/06/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO P

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

	Detailed Measurement Recorded on: 8/06/2022						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
25	Additional price for installation of Ultra Voilet System,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road					1.00	
		1					
	R O Plant Building at N.E.S Bus Stop					1.00	
		1					
					Present Qty	2.00	No's

8/06/2022

Signature of the Contractor

8/06/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/01/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
30	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. **19/20mm dia 2mm thick**,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		3	5.00			15.00	
		3	4.00			12.00	
		5	2.00			10.00	
	R O Plant Building at N.E.S Bus Stop						
		3	5.00			15.00	
		3	4.00			12.00	
		5	1.80			9.00	
					Present Qty	73.00	

Cauvery 20/01/2022

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ಜಲಮಂಡಳಿ, ಬೆಂಗಳೂರು-10

Signature of the Contractor

20/01/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO Pl

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 10/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
31	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments , Size-1.5 Sqmm,Complete as per the Direction of Engineer Incharge of the Work						
	Size-1.5 Sqmm						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	22.20			22.20	
		1	28.50			28.50	
		1	18.20			18.20	
	R O Plant Building at N.E.S Bus Stop						
		1	19.50			19.50	
		1	23.50			23.50	
		1	16.20			16.20	
					Present Qty	128.10	Mtr
32	Size-2.5Sqmm						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	16.50			16.50	
		1	14.60			14.60	
		1	18.10			18.10	
	R O Plant Building at N.E.S Bus Stop						
		1	19.50			19.50	
		1	14.10			14.10	
		1	16.20			16.20	
					Present Qty	99.00	Mtr
33	Size-4.0Sqmm						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1	8.00			8.00	
	R O Plant Building at N.E.S Bus Stop						
		1	9.50			9.50	
					Present Qty	17.50	Mtr

10/05/2022
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Signature of the Contractor

10/05/2022
Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 12/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
34	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.**Short point upto 3Mtr from tapping point to out let via switch box**,Complete as per the Direction of Engineer Incharge of the Work						
	Short point upto 3Mtr from tapping point to out let via switch box						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	3				3.00	
					Present Qty	5.00	**Points**
35	**Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	2				2.00	
					Present Qty	4.00	**Points**
36	**Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	1				1.00	
	R O Plant Building at N.E.S Bus Stop	1				1.00	
					Present Qty	2.00	**Points**

Signature of the Contractor

12/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO P...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 17/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
39	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. **1 to 3 Module**,Complete as per the Direction of Engineer Incharge of the Work						
	1 to 3 Module						
	For R O Plant Building at Cauvery Park, 13th B Main Road	3				3.00	
	R O Plant Building at N.E.S Bus Stop	3				3.00	
					Present Qty	6.00	**No's**
40	**16-18 Module**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	2				2.00	
					Present Qty	4.00	**No's**

Signature of the Contractor

17/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of Work:- Construction of RO Pl

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
41	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.**6Amps one way Switch**,Complete as per the Direction of Engineer Incharge of the Work						
	6Amps one way Switch						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	2				2.00	
					Present Qty	**4.00**	**Each**
42	**6Amps 3way socket**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	2				2.00	
					Present Qty	**4.00**	**Each**
43	**16Amps one way switch**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	2				2.00	
					Present Qty	**4.00**	**Each**
44	**6/16Amps universal socket**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	2				2.00	
	R O Plant Building at N.E.S Bus Stop	3				3.00	
					Present Qty	**5.00**	**Each**
45	**1000-1200Watts Dimmer**						
	For R O Plant Building at Cauvery Park, 13th B Main Road	4				4.00	
	R O Plant Building at N.E.S Bus Stop	5				5.00	
					Present Qty	**9.00**	**Each**

18/05/2022

Signature of the Contractor

18/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
46	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross 3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32 Amps DP,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		2				2.00	
	R O Plant Building at N.E.S Bus Stop						
		2				2.00	
					Present Qty	4.00	Each

18/05/2022

Signature of the Contractor

18/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 19/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
47	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		2				2.00	
	R O Plant Building at N.E.S Bus Stop						
		2				2.00	
					Present Qty	4.00	No's

19/05/2022

Signature of the Contractor

19/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
Pre Measurements							
	Pre Measurement Recorded on: 19/05/2022						
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
48	Supplying & fixing of Porcelain fuse channel with cut outon existing wooden/panel using necessary nuts, bolts and washers. 16Amps,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road						
		1				1.00	
	R O Plant Building at N.E.S Bus Stop						
		1				1.00	
					Present Qty	**2.00**	**Each**

Signature of the Contractor

19/05/2022
Assistant Engineer
Ward No.04

19/05/2022
Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Satellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
50	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders,Complete as per the Direction of Engineer Incharge of the Work						
	For R O Plant Building at Cauvery Park, 13th B Main Road					3.00	
		3					
	R O Plant Building at N.E.S Bus Stop					3.00	
		3					
					Present Qty	6.00	No's

Signature of the Contractor

Assistant Engineer
Ward No.04
20/05/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 7/03/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
51	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	2.00	

Signature of the Contractor

Assistant Engineer
Ward No.04

7/03/2022

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/03/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
52	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) Complete as per the Direction of Engineer Incharge of the Work- **0.00 to 50.00 Mtr**						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr
53	**50.00 to 100.00 Mtr**						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr
54	**100.00 to 150.00 Mtr**						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr
55	**150.00 to 200.00 Mtr**						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr
56	**200.00 to 250.00 Mtr**						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr

18/03/2022

18/03/2022

Name of Work:- Construction of RO Pl...

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
57	**250.00 to 300.00 Mtr**						
	Area					50.00	
	At Cauvery Park,Yelahanka Upanagara	1	50.00				
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	**100.00**	**Mtr**
58	**300.00 to 350.00 Mtr**						
	Area					50.00	
	At Cauvery Park,Yelahanka Upanagara	1	50.00				
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Mtr

18/03/2022

Signature of the Contractor

Assistant Engineer 18/03/2022
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/03/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
59	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes. All shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.(exclusive of all taxes and duties).prices include Collar-Medium duty. 175mm dia x 5.4mm thick,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka	1	50.00			50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	50.00			50.00	
					Present Qty	100.00	Rmt

Signature of the Contractor

18/03/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:- Construction of RO Pl...

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
Pre Measurements							
	Pre Measurement Recorded on: 18/03/2022						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
60	Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per the Direction of Engineer Incharge of the Work						
	Area					6.00	
	At Cauvery Park,Yelahanka	1	6.00			6.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	6.00				
					Present Qty	12.00	Rmt

C&E 18/3/2022

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Signature of the Contractor

Assistant Engineer 18/03/2022
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 11/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
62	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 35stage ,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	2.00	Nos

11/04/2022

Signature of the Contractor

11/04/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:- Construction of RO Plan

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 11/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
63	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	300.00			300.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	300.00			300.00	
					Present Qty	600.00	Rmt

11/04/2022

Signature of the Contractor

11/04/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 1/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
64	Supply of 50mm M.S collars ,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	50				50.00	
	9th A Cross Road, A Sector Near NES Bus Stop	50				50.00	
					Present Qty	100.00	Each

Signature of the Contractor

1/04/2022
Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 11/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
65	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS: 8130-1984. and virgin grade PVC Sheated Suitable for working voltage upto 1100 Volts as per IS:694:1990. 3C X 6.0Sq.mm,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	2	320.00			640.00	
	9th A Cross Road, A Sector Near NES Bus Stop	2	320.00			640.00	
					Present Qty	1280.00	Mtr

Signature of the Contractor

Assistant Engineer
Ward No.04
11/04/2022

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
Detailed Measurements							
	Detailed Measurement Recorded on: 18/05/2022						
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
67	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm ,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara						
		2	0.90		0.70	1.26	
		2	0.70	0.30		0.42	
		2	0.90	0.30		0.54	
	9th A Cross Road, A Sector Near NES Bus Stop						
		2	0.90		0.70	1.26	
		2	0.70	0.30		0.42	
		2	0.90	0.30		0.54	
						4.44	Sq.Mt
					Present Qty	44400.00	Sq Cm
					Qty Limited to	44000.00	Sq Cm

Signature of the Contractor

18/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
69	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm . Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	**2.00**	**No's**

20/05/2022

Signature of the Contractor

20/05/2022

Assistant Engineer
Ward No.04

Assistant Executive Engineer
Yelahanka Satellite town Sub Division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
71	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any. Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1	No's
	9th A Cross Road, A Sector Near NES Bus Stop	1				1	
					Present Qty	2.00	

20/05/2022

Signature of the Contractor

20/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
73	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1	
					Present Qty	2.00	No's

20/05/2022

Signature of the Contractor

20/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 18/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
75	Labour charges for erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc,complete as per specification, with testing of as per instructions of engineer incharge of work. Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1	
					Present Qty	**2.00**	**Nos**

18/05/2022

Signature of the Contractor

18/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 18/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
76	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amps DP,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1	
					Present Qty	2.00	

18/05/2022

Signature of the Contractor

18/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
77	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554),Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1	35.00			35.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1	35.00			35.00	
					Present Qty	70.00	

Signature of the Contractor

20/05/2022
Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
78	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara					30.00	
		1	30.00				
	9th A Cross Road, A Sector Near NES Bus Stop					30.00	
		1	30.00				
					Present Qty	60.00	Mtr

20/05/2022

Signature of the Contractor

20/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 20/05/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
80	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	2.00	

Signature of the Contractor

20/05/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

	Detailed Measurement Recorded on: 21/05/2022						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
83	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches ,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	At Cauvery Park,Yelahanka Upanagara	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	**2.00**	**Each**

Signature of the Contractor

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 8/08/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
84	KPTCL Deposit charges						
	Area						
	At Cauvery Park,Yelahanka	1				1.00	
	9th A Cross Road, A Sector Near NES Bus Stop	1				1.00	
					Present Qty	2.00	L/S

Signature of the Contractor

8/08/2022
Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 1/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
86	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	Cauvery Park,Surrounding Areas						
		1	30.00	0.75	0.90	20.25	
		1	20.00	0.75	0.90	13.50	
		1	15.00	0.75	0.90	10.13	
		1	20.00	0.75	0.90	13.50	
		1	15.00	0.75	0.90	10.13	
		1	25.00	0.75	0.90	16.88	
		1	25.00	0.75	0.90	16.88	
	9th A Cross Road, A Sector Surrounding Area						
		1	28.00	0.75	0.90	18.90	
		1	22.00	0.75	0.90	14.85	
		1	17.00	0.75	0.90	11.48	
		1	20.00	0.75	0.90	13.50	
		1	18.00	0.75	0.90	12.15	
		1	28.00	0.75	0.90	18.90	
		1	17.00	0.75	0.90	11.48	
					Present Qty	**202.50**	**Cum**

Signature of the Contractor

1/04/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 4/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
87	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes,Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	Cauvery Park,Surrounding Areas						
		1	30.00			30.00	
		1	20.00			20.00	
		1	15.00			15.00	
		1	20.00			20.00	
		1	15.00			15.00	
		1	25.00			25.00	
		1	25.00			25.00	
	9th A Cross Road, A Sector Surrounding Area						
		1	28.00			28.00	
		1	22.00			22.00	
		1	17.00			17.00	
		1	20.00			20.00	
		1	18.00			18.00	
		1	28.00			28.00	
		1	17.00			17.00	
					Present Qty	**300.00**	**Mtr**

Signature of the Contractor

Assistant Engineer
Ward No.04

4/04/2022

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Pre Measurements

Pre Measurement Recorded on: 6/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
88	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	Cauvery Park,Surrounding Areas						
		1	30.00	0.75	0.15	3.38	
		1	20.00	0.75	0.15	2.25	
		1	15.00	0.75	0.15	1.69	
		1	20.00	0.75	0.15	2.25	
		1	15.00	0.75	0.15	1.69	
		1	25.00	0.75	0.15	2.81	
		1	25.00	0.75	0.15	2.81	
	9th A Cross Road, A Sector Surrounding Area						
		1	28.00	0.75	0.15	3.15	
		1	22.00	0.75	0.15	2.48	
		1	17.00	0.75	0.15	1.91	
		1	20.00	0.75	0.15	2.25	
		1	18.00	0.75	0.15	2.03	
		1	28.00	0.75	0.15	3.15	
		1	17.00	0.75	0.15	1.91	
					Present Qty	**33.75**	**Cum**

Signature of the Contractor

Assistant Engineer
Ward No.04

6/04/2022

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division

Detailed Measurements

Detailed Measurement Recorded on: 26/04/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
90	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum),Complete as per the Direction of Engineer Incharge of the Work						
	Area						
	Cauvery Park,Surrounding Areas						
		1	30.00	0.75	0.15	3.38	
		1	20.00	0.75	0.15	2.25	
		1	15.00	0.75	0.15	1.69	
		1	20.00	0.75	0.15	2.25	
		1	15.00	0.75	0.15	1.69	
		1	25.00	0.75	0.15	2.81	
		1	25.00	0.75	0.15	2.81	
	9th A Cross Road, A Sector Surrounding Area						
		1	28.00	0.75	0.15	3.15	
		1	22.00	0.75	0.15	2.48	
		1	17.00	0.75	0.15	1.91	
		1	20.00	0.75	0.15	2.25	
		1	18.00	0.75	0.15	2.03	
		1	28.00	0.75	0.15	3.15	
		1	17.00	0.75	0.15	1.91	
					Present Qty	**33.75**	**Cum**

Signature of the Contractor

26/04/2022

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division

Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division						
Pre Measurements						
	Pre Measurement Recorded on: 8/06/2022					
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
91	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications,Complete as per the Direction of Engineer Incharge of the Work						
	Consider of Qty 55% Same, As Per Vide Item No.86					111.38	
					Present Qty	**111.38**	**Cum**

Signature of the Contractor

8/06/2022

Assistant Engineer
Ward No.04

8/06/2022

Asst. Executive Engineer
Yelahanka Satellite town Sub Division
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Name of work:Construction of RO Plants in Ward No.04 of Yelahanka Sattellite town Sub Division							
Pre Measurements							
	Pre Measurement Recorded on: 8/06/2022						
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
91	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications,Complete as per the Direction of Engineer Incharge of the Work						
	Consider of Qty 55% Same, As Per Vide Item No.86					111.38	
					Present Qty	111.38	**Cum**

Signature of the Contractor

8/06/2022

Assistant Engineer
Ward No.04

8/06/2022

Asst. Executive Engineer
Yelahanka Satellite town Sub Division
B.B.M.P. Bengaluru-106